

ABSTRACT OF THE DISCLOSURE

3 A section mill for casings used in oil wells to cut predetermined
4 portions for repair purposes. An elongated cylindrical assembly is inserted
5 through the casing and it includes at least two spaced apart apertures with
6 one blade member pivotally mounted within each aperture. First and
7 second coaxially disposed tubular shaft assemblies with teethed portions to
8 coat with the blades to selectively move them between two extreme
9 position upon the application of a pressurized fluid. The fluid needs to
10 overcome the spring biased applied to the shaft assemblies. The first set of
11 blades is stopped and slidably rotates in contact with the internal surface of
12 the casing. The second set cuts through the casing with one end and
13 sections the casing with the other end. After wearing off, the first set of
14 blades continues the sectioning work.